



# LVTS-512314-G4

**LVTOPSUN New Generation Energy Storage System**

# Meet LVTOPSUN – Your Unstoppable Power!

**16**  $\frac{51.2V \ 314Ah}{kWh}$



# Basic Parameters

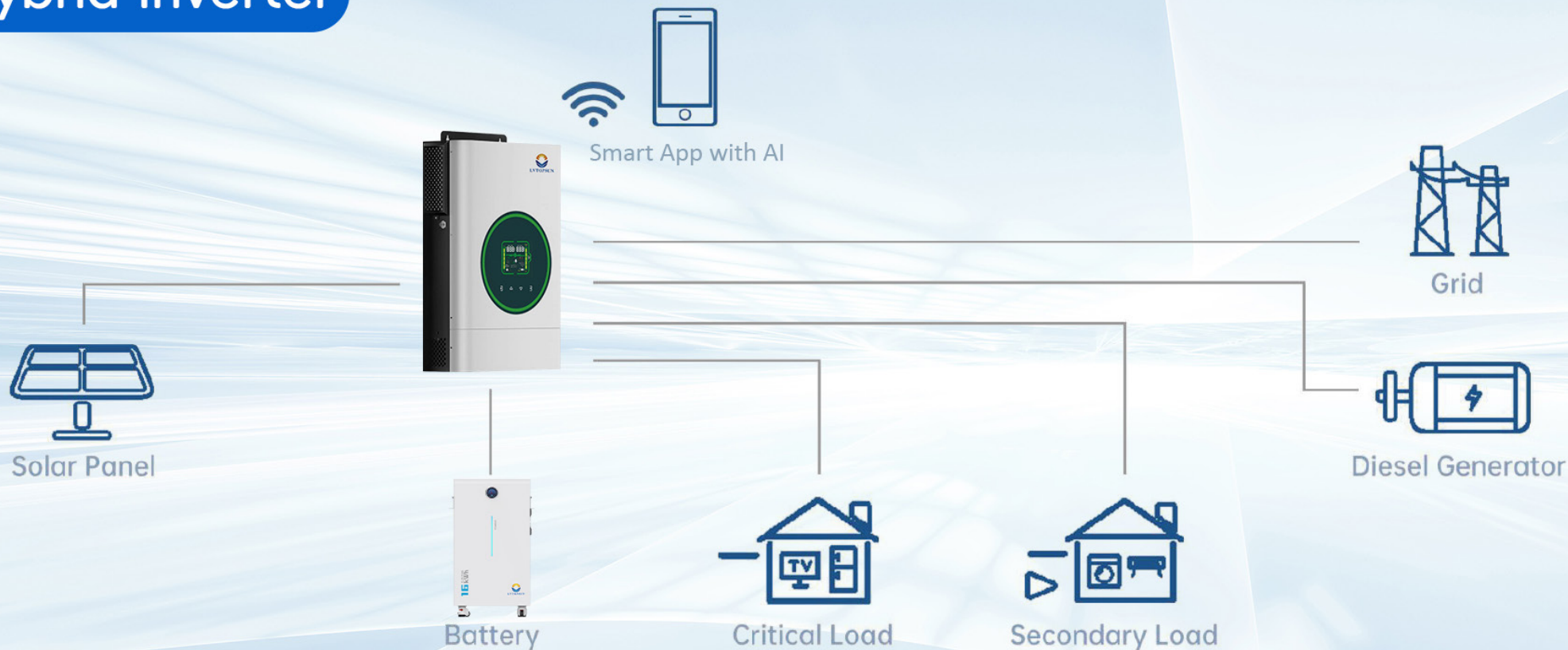
Model

LVTS-512314-G4

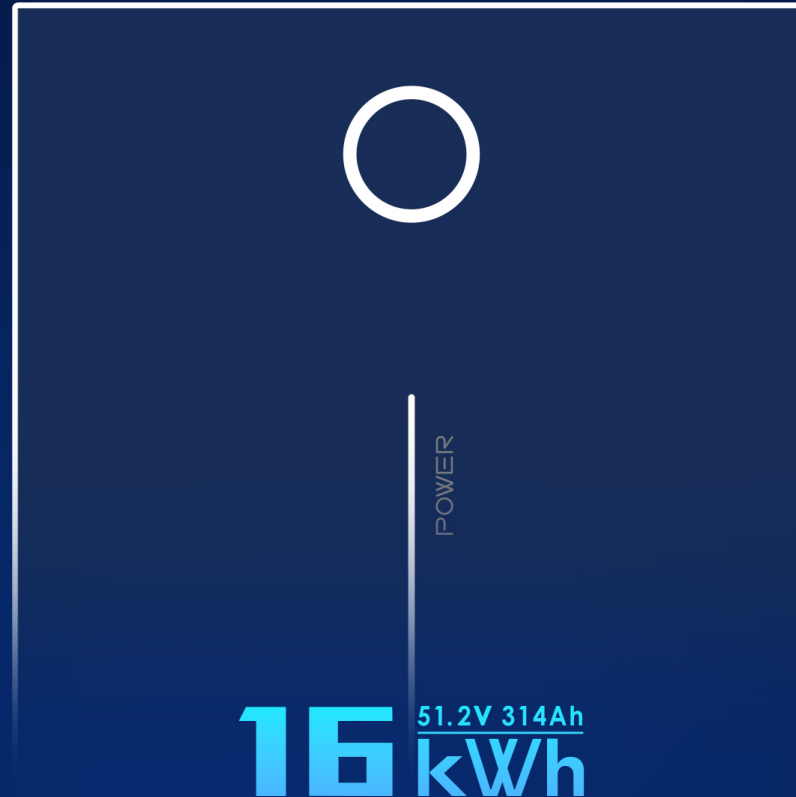
Nominal Voltage	51.2 Vdc	Dimension (WxDxH mm)	480x235x874 mm
Nominal Capacity	314 Ah	Weight (Kg)	120 kg
Battery Energy	16.07 kWh	Installation	Floor stand
Charge Current	150 A	Working Temperature	-20°C~55°C
Charge Power	7680 W	Operating/Storage Humidity	≤95%RH
Discharge Current	200 A	Max Operating Altitude	≤2000m
Discharge Power	10240 W	IP Rating	IP65
Short Circuit Current	540 A	Warranty	10 years
Communication	RS232、RS485、CAN		
Display	SOC status indicator, LED indicator, LCD Display		
Product Features	Automatic sensing fire extinguishing device/Bluetooth/WiFi		
Cell Technology	LiFePO <sub>4</sub> , Lithium Iron Phosphate		
Cycle life	8000 Cycles @ 90% DOD/25°C/0.5C		
Scalability	Max 63 batteries in parallel		

**24H Uninterruptible Power**

# Hybrid Inverter



Superior Thermal Stability  
**100%** Power Output Even at **55°C**



**55°C**



# High-grade Protection Design

  
IP65



Electrostatic  
spray coating



Deep drawing  
process



High purity  
aluminum alloy



# 314Ah Large-capacity Cell 15-year Long Cycle



**8000**

Battery cycles (EOL 60%)

**17.7**

Energy density increased

**200%**

Rated system life

**300%**

Real-world service life

\*The above data are compared with 100Ah cells respectively

# 3-Layer Battery Safety Matrix

## Structural protection

- Patented self-locking explosion-proof design
- Cell-level thermal isolation
- Dual-channel pressure relief pathway

## System protection

- Overcurrent protection
- Overvoltage protection
- Low Battery protection

## Active protection

- Smart fire suppression kit
- Real-time thermal monitoring
- Active pressure relief



# Integrated Multi-functional Interface

## Meet Varied Needs



Diesel generator



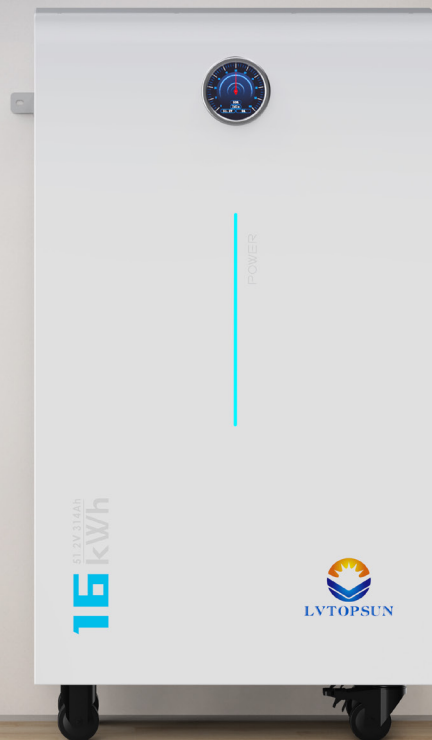
Programmable partial backup



AC-Coupled  
PV-Side capacity expansion



# Plug & Play Design Less Need for Manual Operation



# Scalable on Demand Ready for Business

## Max Parallel Quantity: 63 units max



**x63=1012.41kWh**

**LCD Color Touch Screen, with Real-time  
Data Clearly Visible at a Glance**

**2.64 inches**  
Screen size

